BLAST

Basic Local Alignment Search Tool

Edit and Resubmit Save Search Strategies. Formatting options Download

Nucleotide Sequence (4347 letters)

SEQ ID NO: 1

Results for: |cl|31285 None(4347bp) -

Your BLAST job specified more than one input sequence. This box lets you choose which input sequence to show BLAST results for.

Query ID

y ID leli31285

Icl|31285

Description

None

Molecule type nucleic acid

Query Length 4347

Database Name

nr

Description

All GenBank+EMBL+DDBJ+PDB sequences (but no EST, STS, GSS,environmental samples or phase 0, 1 or 2 HTGS sequences)

Program

BLASTN 2.2.22+ Citation

Reference

Zheng Zhang, Scott Schwartz, Lukas Wagner, and Webb Miller (2000), "A greedy algorithm for aligning DNA sequences", J Comput Biol 2000; 7(1-2):203-14.

Other reports: Search Summary [Taxonomy reports] [Distance free of results]

Search Parameters

Search parameter name Search parameter value

Program	blastn
Word size	28
Expect value	10
Hitlist size	100
Match/Mismatch scores	1,-2
Gapcosts	0,0
Low Complexity Filter	Yes
Filter string	L;m;
Genetic Code	1

Database

Database parameter name Database parameter value

 Posted date
 Feb 18, 2010 5:42 PM

 Number of letters
 30,229,719,529

 Number of sequences
 10,937,181

 Entrez query
 none

Karlin-Altschul statistics

Params Ungapped Gapped

Lambda	1.33271	1.28	
K	0.620991	0.46	
Н	1.12409	0.85	

Besults Statistics

Results Statistics parameter name Results Statistics parameter value

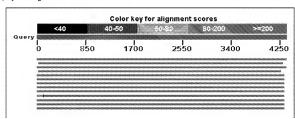
Length adjustment	35
Effective length of query	4312
Effective length of database	29846918194
Effective search space	128699911252528
Effective search space used	128699911252528

Graphic Summary

Distribution of 107 Blast Hits on the Query Sequence

?

An overview of the database sequences aligned to the query sequence is shown. The score of each alignment is indicated by one of five different colors, which divides the range of scores into five groups. Multiple alignments on the same database sequence are connected by a striped line. Mousing over a hit sequence causes the definition and score to be shown in the window at the top, clicking on a hit sequence takes the user to the associated alignments. New: This graphic is an overview of database sequences aligned to the query sequence. Alignments are color-coded by score, within one of five score ranges. Multiple alignments on the same database sequence are connected by a dashed line. Mousing over an alignment shows the alignment definition and score in the box at the top. Clicking an alignment displays the alignment definition and score in the box at the top. Clicking an alignment displays the alignment definition and score in the box at the top. Clicking an alignment displays the alignment definition and score in the box at the top.





Descriptions

Legend for links to other resources: UniGene GEO Gene Structure Map Viewer

(Click hea	producing significant alignments: ders to sort columns) Adeno-associated virus 1, complete genome	6575	6575	99%	0.0	94%	e
DQ180604.1	Adeno-associated virus VR-195 Rep78 (rep78) and capsid protein (cap) genes, complete cds	6312	6312	97%	0.0	93%	
AF028704.1	Adeno-associated virus 6, complete genome	6270	6270	99%	0.0	92%	
DQ180605.1	Adeno-associated virus VR-355 Rep78 (rep78) and capsid protein (cap) genes, complete cds	6139	6139	97%	0.0	92%	
AF043303.1	Adeno-associated virus 2, complete genome	5142	5142	99%	0.0	888	Œ
J01901.1	Adeno-associated virus 2, complete genome	5105	5105	99%	0.0	888	G
AY695374.1	Adeno-associated virus isolate hu.T71 Rep78 protein and capsid protein VP1 (cap) genes, complete cds	5005	5005	99%	0.0	87%	
AY695372.1	Adeno-associated virus isolate hu.T40 Rep78 protein and capsid protein VP1 (cap) genes, complete cds	5003	5003	99%	0.0	87%	
AY695371.1	Adeno-associated virus isolate hu.T32 Rep78 protein and capsid protein VP1 (cap) genes, complete cds		4937		0.0		
AF369963.1	Cloning vector pAAV-RC, complete sequence				0.0		
AY695376.1	Adeno-associated virus isolate hu.517 Rep78 protein and capsid protein VP1 (cap) genes, complete cds	4911	4911	99%	0.0	87%	
AY695375.1	Adeno-associated virus isolate hu.T88 Rep78 protein and capsid protein VP1 (cap) genes, complete cds	4859	4859	99%	0.0	87%	
AY695373.1	Adeno-associated virus isolate hu.T70 Rep78 protein and capsid protein VP1 (cap) genes, complete cds	4837	4837	99%	0.0	87%	***************************************
AF513851.1	Adeno-associated virus 7 nonstructural protein and capsid protein genes, complete cds	4595	4595	99%	0.0	86%	G
AF513852.1	Adeno-associated virus 8 nonstructural protein and capsid protein genes, complete cds	4346	4346	98%	0.0	85%	G
AY631965.1	Adeno-associated virus 10 nonstructural protein and capsid protein genes, complete cds		4152			85%	
EU368918.1	Adeno-associated virus isolate hu.48R3 capsid protein VP1 gene, partial cds		4050				
AY530611.1	Adeno-associated virus isolate hu.48 capsid protein VP1 (cap) gene, complete cds		4039				
EU285562.1	Adeno-associated virus 13 nonstructural protein and capsid protein genes, complete cds	3903	3903	96%	0.0	83%	
AF028705.1	Adeno-associated virus 3B, complete genome	3869	3869	98%	0.0	83%	
U48704.1	Adeno-associated virus 3 nonstructural protein and capsid protein genes, complete cds, and complete genome	3829	3829		0.0	83%	G
AY530606.1	Adeno-associated virus isolate hu.43 capsid protein VP1 (cap) gene, complete	3825	3825	50%	0.0	97%	

	cds						
EU368917.1	Adeno-associated virus isolate hu.44r3 capsid protein VP1 gene, partial cds	3773	3773	50%	0.0	97%	
EU368916.1	Adeno-associated virus isolate hu.44R2 capsid protein VPl gene, partial cds	3773	3773	50%	0.0	97%	
AY530607.1	Adeno-associated virus isolate hu.44 capsid protein VP1 (cap) gene, complete cds	3768	3768	50%	0.0	97%	
AY530609.1	Adeno-associated virus isolate hu.46 capsid protein VP1 (cap) gene, complete cds	3735	3735	50%	0.0	97%	
EU368911.1	Adeno-associated virus isolate AAV6R2 capsid protein VPl gene, partial cds	3729	3729	50%	0.0	97%	
EU368910.1	Adeno-associated virus isolate AAV6.2 capsid protein VPl gene, partial cds	3723	3723	50%	0.0	97%	***************************************
EU368909.1	Adeno-associated virus isolate AAV6.1 capsid protein VPl gene, partial cds	3723	3723	50%	0.0	97%	***************************************
J01902.1	adeno-associated virus 2 left half 45% of genome	3349	3349	44%	0.0	98%	
EU048698.1	Shuttle vector phcAd.DYS-FL, complete sequence	2918	3123	39%	0.0	100%	
AY631966.1	Adeno-associated virus ll nonstructural protein and capsid protein genes, complete cds	2865	3171	70%	0.0	88%	***************
GQ380656.1	Expression shuttle vector pGAPDH.Rep68, complete sequence	2835	2835	36%	0.0	98%	
GQ380657.1	Expression shuttle vector pGAPDH.Rep68 (Y156F), complete sequence	2830	2830	36%	0.0	98%	***********
D0813647.1				71%		85%	
DQ813647.1	Adeno-associated virus 12 Rep78 and VP1 genes, complete cds	2446	2740	71%	0.0	85%	
U89790.1	genes, complete cds Adeno-associated virus 4, complete genome	2442	2827	73%	0.0	84%	G
	genes, complete cds			73%			G
U89790.1	genes, complete cds Adeno-associated virus 4, complete genome Adeno-associated virus isolate rh.54 capsid protein VPl (cap) gene, complete cds Adeno-associated virus isolate rh.37R2 capsid protein VPl gene, partial cds	2442	2827	73%	0.0	84%	G
U89790.1 AY530567.1	genes, complete cds Adeno-associated virus 4, complete genome Adeno-associated virus isolate rh.54 capsid protein VPl (cap) gene, complete cds Adeno-associated virus isolate rh.37R2	2442	2827 2307	73%	0.0	84%	Ø
U89790.1 AY530567.1 EU368920.1	genes, complete cds Adeno-associated virus 4, complete genome Adeno-associated virus isolate rh.54 capsid protein VP1 (cap) gene, complete cds Adeno-associated virus isolate rh.37R2 capsid protein VP1 gene, partial cds Non-human primate Adeno-associated virus isolate AAVrh.35 capsid protein (VP1)	2442 2307 2257	2827 2307 2257	73% 50% 50%	0.0	84% 85% 85%	G
U89790.1 AY530567.1 EU368920.1 AY243000.1	genes, complete cds Adeno-associated virus 4, complete genome Adeno-associated virus isolate rh.54 capsid protein VPl (cap) gene, complete cds Adeno-associated virus isolate rh.37R2 capsid protein VPl gene, partial cds Non-human primate Adeno-associated virus isolate AAVrh.35 capsid protein (VPl) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.36 capsid protein (VPl)	2442 2307 2257 2257	2827 2307 2257 2257	73% 50% 50%	0.0	84% 85% 85%	G
U89790.1 AY530567.1 EU368920.1 AY243000.1	genes, complete cds Adeno-associated virus 4, complete genome Adeno-associated virus isolate rh.54 capsid protein VP1 (cap) gene, complete cds Adeno-associated virus isolate rh.37R2 capsid protein VP1 gene, partial cds Non-human primate Adeno-associated virus isolate AAVrh.35 capsid protein (VP1) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.36 capsid protein (VP1) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.37 capsid protein (VP1)	2442 2307 2257 2257 2252	2827 2307 2257 2257	73% 50% 50% 50%	0.0	84% 85% 85% 85%	G
U89790.1 AY530567.1 EU368920.1 AY243000.1 AY242999.1	genes, complete cds Adeno-associated virus 4, complete genome Adeno-associated virus isolate rh.54 capsid protein VP1 (cap) gene, complete cds Adeno-associated virus isolate rh.37R2 capsid protein VP1 gene, partial cds Non-human primate Adeno-associated virus isolate AAVrh.35 capsid protein (VP1) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.36 capsid protein (VP1) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.37 capsid protein (VP1) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.37 capsid protein (VP1) gene, complete cds	2442 2307 2257 2257 2252	2827 2307 2257 2257 2252	73% 50% 50% 50%	0.0	84% 85% 85% 85%	G
U89790.1 AY530567.1 EU368920.1 AY243000.1 AY242999.1 AY242998.1	genes, complete cds Adeno-associated virus 4, complete genome Adeno-associated virus isolate rh.54 capsid protein VP1 (cap) gene, complete cds Adeno-associated virus isolate rh.37R2 capsid protein VP1 gene, partial cds Non-human primate Adeno-associated virus isolate AAVrh.35 capsid protein (VP1) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.36 capsid protein (VP1) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.37 capsid protein (VP1) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.37 capsid protein (VP1) gene, complete cds Adeno-associated virus isolate rh.8R	2442 2307 2257 2257 2252 2246	2827 2307 2257 2257 2252 2246	73% 50% 50% 50% 50%	0.0	84% 85% 85% 85% 85%	G
U89790.1 AY530567.1 EU368920.1 AY243000.1 AY242999.1 AY242997.1 EU368925.1	genes, complete cds Adeno-associated virus 4, complete genome Adeno-associated virus isolate rh.54 capsid protein VP1 (cap) gene, complete cds Adeno-associated virus isolate rh.37R2 capsid protein VP1 gene, partial cds Non-human primate Adeno-associated virus isolate AAVrh.35 capsid protein (VP1) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.36 capsid protein (VP1) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.37 capsid protein (VP1) gene, complete cds Non-human primate Adeno-associated virus isolate AAVrh.37 capsid protein (VP1) gene, complete cds Adeno-associated virus isolate rh.8R capsid protein VP1 gene, partial cds Adeno-associated virus isolate rh.8R capsid protein VP1 gene, partial cds Adeno-associated virus isolate rh.55 capsid protein VP1 gene, partial cds	2442 2307 2257 2257 2252 2246 2244	2827 2307 2257 2257 2252 2246 2244	73% 50% 50% 50% 50%	0.0	84% 85% 85% 85% 85% 85%	G

gene, complete cds

	3 , 1					
AY530561.1	Adeno-associated virus isolate rh.48 capsid protein VP1 (cap) gene, complete cds	2191	2191	50%	0.0	84%
AY530571.1	Adeno-associated virus isolate rh.60 capsid protein VP1 (cap) gene, complete cds	2185	2185	50%	0.0	84%
EU368922.1	Adeno-associated virus isolate rh.46 capsid protein VP1 gene, partial cds	2167	2167	50%	0.0	84%
AY530560.1	Adeno-associated virus isolate rh.43 capsid protein VP1 (cap) gene, complete cds	2167	2167	50%	0.0	84%
AY530573.1	Adeno-associated virus isolate rh.62 capsid protein VP1 (cap) gene, complete cds	2163	2163	50%	0.0	84%
AY243006.1	Non-human primate Adeno-associated virus isolate AAVrh.22 capsid protein (VP1) gene, complete cds		2161		0.0	84%
EU368924.1	Adeno-associated virus isolate rh.64Rl capsid protein VPl gene, partial cds	2156	2156	50%	0.0	84%
AY530574.1	Adeno-associated virus isolate rh.64 capsid protein VP1 (cap) gene, complete cds		2150		0.0	84%
AY530562.1	Adeno-associated virus isolate rh.49 capsid protein VP1 (cap) gene, complete cds	2150	2150	50%	0.0	84%
AY530572.1	Adeno-associated virus isolate rh.61 capsid protein VP1 (cap) gene, complete cds	2145	2145	50%	0.0	84%
AY530566.1	Adeno-associated virus isolate rh.53 capsid protein VP1 (cap) gene, complete cds	2145	2145	50%	0.0	84%
AY530565.1	Adeno-associated virus isolate rh.52 capsid protein VP1 (cap) gene, complete cds	2145	2145	50%	0.0	84%
AY530563.1	Adeno-associated virus isolate rh.50 capsid protein VP1 (cap) gene, complete cds	2145	2145	50%	0.0	84%
EU368919.1	Adeno-associated virus isolate rh.2R capsid protein VP1 gene, partial cds	2139	2139	50%	0.0	84%
AY530601.1	Adeno-associated virus isolate hu.39 capsid protein VP1 (cap) gene, complete cds	2134	2134	50%	0.0	84%
AY530569.1	Adeno-associated virus isolate rh.57 capsid protein VP1 (cap) gene, complete cds	2122	2122	50%	0.0	84%
AY530564.1	Adeno-associated virus isolate rh.51 capsid protein VP1 (cap) gene, complete cds	2122			0.0	84%
AY243015.1	Non-human primate Adeno-associated virus isolate AAVrh.10 capsid protein (VP1) gene, complete cds	2122	2122	50%	0.0	84%
AY243007.1	Non-human primate Adeno-associated virus isolate AAVrh.2 capsid protein (VP1) gene, complete cds	2122	2122	50%	0.0	84%
EU368921.1	Adeno-associated virus isolate rh.39 capsid protein VPl gene, partial cds	2111	2111	50%	0.0	84%
AY530559.1	Adeno-associated virus isolate rh.40 capsid protein VP1 (cap) gene, complete	2111	2111	50%	0.0	84%

	cds					
AY243008.1	Non-human primate Adeno-associated virus isolate AAVrh.19 capsid protein (VP1) gene, complete cds	2108	2108	50%	0.0	84%
AY243013.1	Non-human primate Adeno-associated virus isolate AAVrh.13 capsid protein (VP1) gene, complete cds	2106	2106	50%	0.0	84%
EU368914.1	Adeno-associated virus isolate cy.5R4 capsid protein VPl gene, partial cds	2100	2100	50%	0.0	84%
AY530627.1	Adeno-associated virus isolate hu.67 capsid protein VP1 (cap) gene, complete cds	2095	2095	50%	0.0	84%
AY530605.1	Adeno-associated virus isolate hu.42 capsid protein VPl (cap) gene, complete cds	2095	2095	50%	0.0	84%
AY530603.1	Adeno-associated virus isolate hu.40 capsid protein VP1 (cap) gene, complete cds	2095			0.0	84%
AY530600.1	Adeno-associated virus isolate hu.37 capsid protein VP1 (cap) gene, complete cds	2095	2095	50%	0.0	84%
AY530582.1	Adeno-associated virus isolate hu.17 capsid protein VP1 (cap) gene, complete cds	2095	2095	50%	0.0	84%
AY530557.1	Adeno-associated virus isolate rh.25 capsid protein VPl (cap) gene, complete cds		2095		0.0	84%
AY243023.1	Non-human primate Adeno-associated virus isolate AAVbb.l capsid protein (VP1) gene, complete cds	2095	2095	50%	0.0	84%
AY243022.1	Non-human primate Adeno-associated virus isolate AAVbb.2 capsid protein (VP1) gene, complete cds	2095	2095	50%	0.0	84%
EU368913.1	Adeno-associated virus isolate cy.lRl capsid protein VPl gene, partial cds	2084	2084	50%	0.0	84%
AY530626.1	Adeno-associated virus isolate hu.66 capsid protein VPl (cap) gene, complete cds	2084	2084	50%	0.0	84%
AY530621.1	Adeno-associated virus isolate hu.6 capsid protein VPl (cap) gene, complete cds	2084	2084	50%	0.0	84%
AY530570.1	Adeno-associated virus isolate rh.58 capsid protein VP1 (cap) gene, complete cds	2084	2084	50%	0.0	84%
AY243018.1	Non-human primate Adeno-associated virus isolate AAVcy.4 capsid protein (VP1) gene, complete cds	2084	2084	50%	0.0	84%
AY243017.1	Non-human primate Adeno-associated virus isolate AAVcy.5 capsid protein (VP1) gene, complete cds	2084	2084	50%	0.0	84%
AY243016.1	Non-human primate Adeno-associated virus isolate AAVcy.6 capsid protein (VP1) gene, complete cds	2084	2084	50%	0.0	84%
AY530604.1	Adeno-associated virus isolate hu.41 capsid protein VP1 (cap) gene, complete cds	2078	2078	50%	0.0	84%
AY530558.1	Adeno-associated virus isolate rh.38 capsid protein VP1 (cap) gene, complete cds	2078	2078	50%	0.0	84%

AY243019.1	Non-human primate Adeno-associated virus isolate AAVcy.3 capsid protein (VP1) gene, complete cds	2078	2078	50%	0.0	84%
AY530556.1	Adeno-associated virus isolate rh.1 capsid protein VP1 (cap) gene, complete cds	2063	2063	50%	0.0	84%
AY243012.1	Non-human primate Adeno-associated virus isolate AAVrh.14 capsid protein (VP1) gene, complete cds	2052	2052	50%	0.0	83%
AY243004.1	Non-human primate Adeno-associated virus isolate AAVrh.24 capsid protein (VP1) gene, complete cds	2052	2052	50%	0.0	83%
AY243009.1	Non-human primate Adeno-associated virus isolate AAVrh.18 capsid protein (VP1) gene, complete cds	2023	2023	50%	0.0	83%
AY243011.1	Non-human primate Adeno-associated virus isolate AAVrh.16 capsid protein (VP1) gene, complete cds	1980	1980	50%	0.0	83%
AY243005.1	Non-human primate Adeno-associated virus isolate AAVrh.23 capsid protein (VP1) gene, complete cds	1906	1976	46%	0.0	90%
EU368912.1	Adeno-associated virus isolate ch.5R capsid protein VPl gene, partial cds	1829	1829	50%	0.0	82%
AY243021.1	Non-human primate Adeno-associated virus isolate AAVch.5 capsid protein (VP1) gene, complete cds		1829		0.0	82%
AF383623.1	Cloning vector pREX1LC, complete sequence	1812	3202	44%	0.0	99%
AY530585.1	Adeno-associated virus isolate hu.2 capsid protein VP1 (cap) gene, complete cds		1777	50%	0.0	81%
AY530602.1	Adeno-associated virus isolate hu.4 capsid protein VP1 (cap) gene, complete cds	1770	1770	50%	0.0	81%
AY530575.1	Adeno-associated virus isolate hu.l capsid protein VP1 (cap) gene, complete cds	1764	1764	50%	0.0	81%

Alignments Select All Get selected sequences Distance tree of results Multiple alignment. NEW

```
>qb|AF063497.1|AF063497   Adeno-associated virus 1, complete genome
Length=4718
Score = 6575 bits (3560), Expect = 0.0 Identities = 4107/4368 (94%), Gaps = 49/4368 (1%)
Strand=Plus/Plus
Query 6
Sbjct 205
         GTCCTGTATTAGAGGTCACGTGAGTG-TTTTGCGACATTTTGCGACACCATGTGGTCACG
                                                     263
Query 65
         CT-GGGTATTTAAGCCCGAGTGAGC-ACGCAGGGTCTCCATTTTGAAGCGGGAGGTTTGA
                                                     122
Sbjet 264
         Query
    123
         ACGCGCAGCCGCCATGCCGGGGTTTTACGAGATTGTGATTAAGGTCCCCAGCGACCTTGA
                                                     182
Sbjet 322
         381
         CGGGCATCTGCCCGGCATTTCTGACAGC-TTTGTGAACTGGGTGGCCGAGAAGGAATGGG
Query 183
                                                     241
Sbjot 382
         ..A...C.....G......-T.G.......G.......
         AGTTGCCGCCAGATTCTGACATGGATCTGAATCTGATTGAGCAGGCACCCCTGACCGTGG
                                                     301
Query
Shjet
     441
         500
Query
Sbjct
         CCGAGAAGCTGCAGCGCGACTTTCT-GACGGAATGGCGCCGTGTGAGTAAGGCCCCGGAG
                                                     360
         361
         GCCCTTTCCTTGTGCAATTTGAGAAGGGAGAGAGCTACTTCCACATGCACGTGCTCGTG
                                                     420
Query
Sbjct
     560
         619
Query
     421
         GAAACCACCGGGGTGAAATCCATGGTTTTGGGACGTTTCCTGAGTCAGATTCGCGAAAAA
                                                     4 R N
Sbjat
         CTGATTCAGAGAATTTACCGCGGGATCGAGCCGACTTTGCCAAACTGGTTCGCGGTCACA
Query
     481
                                                     540
Shick
    680
         739
     541
         AAGAC-CAGAAATGGCGCCGGAGGCGGGAACAAGGTGGTGGATGAGTGCTACATCCCCAA
                                                     599
Sbjot
         798
         TTACTTGCTCCCCAAAACCCAGCCTGAGCTCCAGTGGGCGTGGACTAATATGGAACAGTA
                                                     659
Query
Sbjot
     799
         858
    660
         TTTAAGCGCCTGTTTGAATCTCACGGAGCGTAAACGGTTGGTGGCGCAGCATCTGACGCA
                                                     719
Query
Sbict
         918
         CGTGTC-G-CAGACGCAGGAGCAGAACAAAGAGAATCAGAATCCCAATTCTGATGCGCCG
Query
    720
Sbjct 919
         976
     778
         GTGATCAGATCAAAACTTCAGC-CAGGTACATGGAGCTGGTCGGGTGGCTCGTGGACAA
                                                     836
Query
Sbict 977
         1034
Ouery
     837
         GGGG-ATTACCTCGGAGAAGCAGTGGATCCAGGAGGACCAGGCCTCATACATCTCCTTCA
                                                     895
     1035
Sbjct
         Ouery
     896
         ATGCGGCCTCCAACTCGCGGTCCCAAATCAAGGCTGCCT-TGGACAATGCGGGAAAGATT
                                                     954
Sbjet
    1095
         Query 955
Sbict 1154
         ATGAGC-CTGACTAAAACCGCCCCCGACTACCTGGTGGGCCAGCAGC-CCG-TGGAGGAC
                                                     1011
         ...-..G.....C...T....G............A....--.C..T...CCC.C....
```

Query	1012	$\label{eq:attrapa} \textbf{ATTTCCAGCAATCGGATTTATAAAATTTTGGAACTAAACGGGTACGATCCCCAATATG} \\ \dots \textbf{AAA.CCCCCCGCCCGGCATGC.}$	1069
Sbjat	1211		1268
Query	1070	$- \texttt{CGGCTTCCGTCTTTCTGGGATGGG-CCACGAAAAAGTTCGGCAAGAGGAACACCATCTG} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{G} & \texttt{G} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{G} & \texttt{G} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{G} & \texttt{G} & \texttt{G} & \texttt{G} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{G} & \texttt{G} & \texttt{G} & \texttt{G} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{G} & \texttt{G} & \texttt{G} & \texttt{G} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{G} & \texttt{G} & \texttt{G} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{G} & \texttt{G} & \texttt{G} & \texttt{G} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{G} & \texttt{G} & \texttt{G} & \texttt{G} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{G} & \texttt{G} & \texttt{G} \\ \texttt{C} & \texttt{G} & \texttt{G} & \texttt{G} \\ \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} \\ \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & \texttt{C} & C$	1127
Sbjat	1269		1326
Query	1128	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	1186
Sbjot	1327		1385
Query	1187	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1246
Sbjct	1386		1445
Query	1247	$\tt ACAAGATGGTGATCTGGTGGGAGGAGGGGGAAGATGACCGCCAAGGTCGTGGAGTCGGCCA \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	1306
Sbjct	1446		1505
Query	1307	$\begin{array}{llllllllllllllllllllllllllllllllllll$	1365
Sbjct	1506		1564
Query	1366	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1425
Sbjct	1565		1624
Query	1426	$\begin{array}{llllllllllllllllllllllllllllllllllll$	1484
Sbjct	1625		1683
Query	1485	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1544
Sbjct	1684		1743
Query	1545	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1604
Sbjct	1744		1803
Query	1605	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1662
Sbjct	1804		1861
Query	1663	$\begin{array}{llllllllllllllllllllllllllllllllllll$	1719
Sbjct	1862		1921
Query	1720	${\tt AGGTACCAAAACAAATGTTCTCGTCACGCGGGCATGCTTCAGATGCTGTTTCCCTGCAAG}$	1779
Sbjct	1922		1981
Query	1780	${\tt ACATGCGAGAGAATGAATCAGAATTTCAACATTTGCTTCACGCACG$	1839
Sbjct	1982		2041
Query	1840	${\tt TCAGAGTGCTTCCCCGGCGTGTCAGAATCTCAACCGGTCGTCAGAAAGAGGACGTATCGG}$	1899
Sbjct	2042		2101
Query	1900	AAACTCTGTGCCATTCATCATCTGCTGGGGCGGGCTCCCGAGATTGCTTGC	1959
Sbjct	2102		2161
Query	1960	GATCTGGTCAACGTGGACCTGGATGACTGTGTTTCTGAGCAATAAATGACTTAAACCAGG	2019
Sbjct	2162		2221
Query	2020	${\tt TATGGCTGCCGATGGTTATCTTCCAGATTGGCTCGAGGACAACCTCTCTGAGGGCATTCG}$	2079
Sbjct	2222		2281
Query	2080	CGAGTGGTGGGACTTGAAACCTGGAGCCCCGAAGCCCAAAGCCAACCAGCAAAAGCAGGA	2139
Sbjct	2282		2341
Query	2140	$\tt CGACGGCCGGGGTCTGGTGCTTCCTGGCTACAAGTACCTCGGACCCTTCAACGGACTCGA.$	2199
Sbjct	2342		2401
Query	2200	CAAGGGGGAGCCCGTCAACGCGGCGGACGACGACGACCACGACAAGGCCTACGA	2259
Sbjct	2402		2461
Query	2260	$\tt CCAGCAGCTCAAAGCGGGTGACAATCCGTACCTGCGGTATAACCACGCCGACGCCGAGTT$	2319
Sbjct	2462		2521
Query	2320	TCAGGAGCGTCTGCAAGAAGATACGTCTTTTGGGGGCAACCTCGGGCGAGCAGTCTTCCA	2379
Sbjct	2522		2581
Query	2380	GGCCAAGAAGCGGGTTCTCGAACCTCTCGGTCTGGTTGAGGAAGGCGCTAAGACGGCTCC	2439
Sbjct	2582		2641
Query	244 0	${\tt TGGAAAGAAACGTCCGGTAGAGCAGTCGCCACAAGAGCCAGACTCCTCCTCGGGCATCGG}$	2499
Sbjct	2642		2701
Query	25 00	${\tt CAAGACAGGCCAGCAGCCCGCTAAAAAAGAGACTCAATTTTGGTCAGACTGGCGACTCAGA}$	2559
Sbjct	27 0 2		2761
Query	256 0	GTCAGTCCCCGATCCACAACCTCTCGGAGAACCTCCAGCAACCCCCGCTGCTGTGGGACC	2619
Sbjct	2762		2821

Query	2620	${\tt TACTACAATGGCTTCAGGCGGTGGCGCACCAATGGCAGACAATAACGAAGGCGCCGACGG}$	2679
Sbjct	2822		2881
Query	2680	$\tt AGTGGGTAATGCCTCAGGAAATTGGCATTGCGATTCCACATGGCTGGGCGACAGAGTCAT.\\$	2739
Sbjct	2882		2941
Query	2740	$\tt CACCACCAGCACCCGGGCCTTGCCCACCTACAATAACCACCTCTACAAGCAAAT$	2799
Sbjct	2942		3001
Query	2800	$\tt CTCCAGTGCTTCAACGGGGGCCAGCAACGACAACCACTACTTCGGCTACAGCACCCCCTG$	2859
Sbjct	3002		3061
Query	2860	${\tt GGGGTATTTGATTTCAACAGATTCCACTGCCACTTTTCACCACGTGACTGGCAGCGACT}$	2919
Sbjct	3062		3121
Query	2920	$\tt CATCAACAACTAGGGGATTCCGGCCCAAGAGACTCAACTTCAAACTCTTCAACATCCA$	2979
Sbjct	3122		3181
Query	2980	${\tt AGTCAAGGAGGTCACGACGAATGATGGCGTCACAACCATCGCTAATAACCTTACCAGCAC}$	3039
Sbjct	3182		3241
Query	3040	${\tt GGTTCAAGTCTTCTCGGACTCGGAGTACCAGCTTCCGTACGTCCTCGGCTCTGCGCACCA}$	3099
Sbjct	3242		3301
Query	3100	GGGCTGCCTCCCTCCGTTCCCGGCGGACGTGTTCATGATTCCGCAATACGGCTACCTGAC	3159
Sbjct	3302		3361
Query	3160	${\tt GCTCAACAATGGCAGCCAAGCCGTGGGACGTTCATCCTTTTACTGCCTGGAATATTTCCC}.\\$	3219
Sbjct	3362		3421
Query	3220	${\tt TTCTCAGATGCTGAGAACGGGCAACAACTTTACCTTCAGCTACACCTTTGAGGAAGTGCC}.\\$	3279
Sbjct	3422		3481
Query	3280	${\tt TTTCCACAGCAGCTACGCGCACAGCCAGAGCCTGGACCGGCTGATGAATCCTCTCATCGA}.\\$	3339
Sbjct	3482		3541
Query	3340	CCAATACCTGTATTACCTGAACAGAACTCAAAATCAGTCCGGAAGTGCCCAAAACAAGGA	3399
Sbjct	3542		3601
Query	3400	$\tt CTTGCTGTTTAGCCGTGGGTCTCCAGCTGGCATGTCTGTTCAGCCCAAAAACTGGCTACC \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	3459
Sbjct	3602		3661
Query	3460	${\tt TGGACCCTGTTATCGGCAGCAGCGCGTTTCTAAAACAAAAACAGACAACAACAACAACAACAACAACAACA$	3519
Sbjct	3662		3721
Query	3520	${\tt TTTTACCTGGACTGGTGCTTCAAAATATAACCTCAATGGGCGTGAATCCATCAATCA$	3579
Sbjct	3722		3781
Query	3580	${\tt TGGCACTGCTATGGCCTCACACAAAGACGACGAAGACAAGTTCTTTCCCATGAGCGGTGT} \\ \dots \\ $	3639
Sbjct	3782		3841
Query	3640	${\tt CATGATTTTTGGAAAAGAGAGCGCCGGAGCTTCAAACACTGCATTGGACAATGTCATGAT}$	3699
Sbjct	3842		3901
Query	3700	${\tt TACAGACGAAGAGGAAATTAAAGCCACTAACCCTGTGGCCACCGAAAGATTTGGGACCGT} \\ \dots \\ $	3759
Sbjct	3902		3961
Query	3760	${\tt GGCAGTCAATTTCCAGAGCAGCAGCACAGACCCTGCGACCGGAGATGTGCATGCTATGGG}\\ \dots \dots$	3819
Sbjct	3962		4021
Query	3820	${\tt AGCATTACCTGGCATGGTGTGGCAAGATAGAGACGTGTACCTGCAGGGTCCCATTTGGGC} \\ \dots \\ $	3879
Sbjct	4022		4081
Query	3880	${\tt CAAAATTCCTCACACAGATGGACACTTTCACCCGTCTCTCTTATGGGCGGCTTTGGACT}$	3939
Sbjct	4082		4141
Query	3940	CAAGAACCCGCCTCCTCAGATCCTCATCAAAAACACGCCTGTTCCTGCGAATCCTCCGGC	3999
Sbjct	4142		4201
Query	4000	GGAGTTTTCAGCTACAAAGTTTGCTTCATTCATCACCCAATACTCCACAGGACAAGTGAG	4059
Sbjct	4202		4261
Query	4060	${\tt TGTGGAAATTGAATGGGAGCTGCAGAAAGAAAAACAGCAAGCGCTGGAATCCCGAAGTGCA} \\ \cdots \\ $	4119
Sbjct	4262		4321
Query	4120	${\tt GTACACATCCAATTATGCAAAATCTGCCAACGTTGATTTTACTGTGGACAACAATGGACT}$	4179
Sbjct	4322		4381
Query	4180	$\tt TTATACTGAGCCTCGCCCCATTGGCACCCGTTACCTTACCTGTCCCTGTAATTACGTGT$	4239

Sbjct	4382		4441
Query	4240	${\tt TAATCAATAAACCGGTTGATTCGTTTCAGTTGAACTTTGGTCTCCTGTCCTTATCTT}\\ \cdots\\$	4299
Sbjct	4442		4501
Query Sbjct	4300 4502	ATCGGTTACCATGGTTATAGCTTACACATTAACTGCTTGGTTGCGCTT 4347 4549	
(cap)	2180604 genes, h=4259	.1 Adeno-associated virus VR-195 Rep78 (rep78) and capsid promplete cds $$	otein
Iden:	e = 631 tities nd=Plus	2 bits (3418), Expect = 0.0 = 002/4282 (93%), Gaps = 48/4282 (1%) /plus	
Query	33	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	91
Sbjct	1		59
Query	92	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	151
Sbjat	60		118
Query	152	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	210
Sbjat	119		177
Query	211	TTTGTGAACTGGGTGGCCGAGAAGGAATGGGAGTTGCCGCCAGATTCTGACATGGATCTG	270
Sbjat	178		237
Query	271	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	329
Sbjat	238		297
Query	330	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	389
Sbjat	298		356
Query	390	$\begin{array}{llllllllllllllllllllllllllllllllllll$	449
Sbjat	357		416
Query	450	$\begin{array}{llllllllllllllllllllllllllllllllllll$	509
Sbjot	417		476
Query	510	$\begin{array}{llllllllllllllllllllllllllllllllllll$	568
Sbjat	477		535
Query	569	ACAAGGTGGTGGATGAGTGCTACATCCCCAATTACTTGCTCCCCAAAACCCAGCCTGAGCCC	628
Sbjot	536		595
Query	629	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	688
Sbjot	596		655
Query	689	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	746
Sbjct	656		713
Query	747	$\begin{array}{llllllllllllllllllllllllllllllllllll$	805
Sbjct	714		772
Query	806	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	864
Sbjat	773		831
Query	865	CAGGAGGACCAGGCCTCATACATCTCCTTCAATGCGGCCTCCAACTCGCGGTCCCAAATC	924
Sbjct	832		891
Query	925	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	982
Sbjct	892		949
Query	983	ACCTGGT-GGGCCAGCAGCC-CGTGGAGGACATTTCCAGCAATCGGATTTATAAAATTTTACCTTCC.CAAA.CCCCCC.CC.CC.	1040
Sbjct	950		1007
Query	1041	$\begin{array}{llllllllllllllllllllllllllllllllllll$	1096
Sbjct	1008		1064
Query	1097	$\begin{array}{lll} \texttt{CGAAAAAGTTCGGCAAGAGGAACACCATCTGGCTGTTTTGGCCTGCAACTACCGGG-AAG} \\ -\dots \texttt{CG} & \dots \texttt{G} & \dots \texttt{C} & \dots & \dots & \dots & \dots \\ \end{array}$	1155
Sbjct	1065		1122
Query	1156	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1215
Sbjct	1123		1182
Query	1216	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1275
Sbjat	1183		1242

Query Sbjot	1276 1243	$\begin{array}{cccccc} \texttt{AAGATGACCGCCAAAGGTCGTGGAGTCGGCCAAAGCCATTCTGGGAGGAAGCAAGGTGCGC} \\ \dots & G & \dots & G & \dots & C & \dots \\ \end{array}$	1335 1302
Query Sbjat	1336 13 0 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1393 1360
Query Sbjot	1394 1361	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1452 1419
Query Sbjot	1453 1420	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1512 1479
Query Sbjct	1513 1480	$\begin{array}{llllllllllllllllllllllllllllllllllll$	1572 1539
Query Sbjot	1573 1540	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	1631 1598
Query Sbjct	1632 1599	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1690 1657
Query Sbjct	1691 1658		1747 1717
Query Sbjct	1748 1718	${\tt CGGGCATGCTTCAGATGCTGTTTCCCTGCAAGACATGCGAGAGAATGAAT$	1807 1777
Query Sbjct	1808 1778	$ \begin{tabular}{lllllllllllllllllllllllllllllllllll$	1867 1837
Query Sbjct	1868 1838	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1927 1897
Query Sbjct	1928 1898	$\tt GGCGGGCTCCCGAGATTGCTTGCTCGGCCTGCGATCTGGTCAACGTGGACCTGGATGACT \\$	1987 1957
Query Sbjct	1988 1958	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	2047 2017
Query Sbjct	2048 2018	${\tt TGGCTCGAGGACAACCTCTCTGAGGGCATTCGCGAGTGGTGGGACTTGAAACCTTGGAGCC}$	2107 2077
Query Sbjct	2108 2078	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2167 2137
Query Sbjct	2168 2138	${\tt TACAAGTACCTCGGACCCTTCAACGGACTCGACAAGGGGGGAGCCCGTCAACGCGGCGGAC}.\\$	2227 2197
Query Sbjct	2228 2198	$\tt GCAGCGGCCCTCGAGCACGACCAGCACCAGCAGCTCAAAGCGGGTGACAATCCG\\$	2287 2257
Query Sbjct	2288 2258	${\tt TACCTGCGGTATAACCACGCCGACGCCGAGTTTCAGGAGCGTCTGCAAGAAGATACGTCT}$	2347 2317
Query Sbjat	2348 2318	${\tt TTTGGGGGCAACCTCGGGCGAGCAGTCTTCCAGGCCAAGAAGCGGGTTCTCGAACCTCTC} \\ {\tt$	2407 2377
Query Sbjct	2408 2378	$\tt GGTCTGGTTGAGGAAGGCGCTCAGGACGCTCCTGGAAAGAAA$	2467 2437
Query Sbjct	2468 2438	${\tt CCACAAGAGCCAGACTCCTCCTCGGGCATCGGCAAGACAGGCCAGCAGCCCGCTAAAAAG}\\$	2527 2497
Query Sbjct	2528 2498	${\tt AGACTCAATTTTGGTCAGACTGGCGACTCAGAGTCAGTCCCCGATCCACAACCTCTCGGA} \\ \dots \\ $	2587 2557
Query Sbjct	2588 2558	${\tt GAACCTCCAGCAACCCCGGTGCTGTGGGACCTACTACAATGGCTTCAGGCGGTGGCGCA}.$	2647 2617
Query Sbjct	2648 2618	$\tt CCAATGGCAGACAATAACGAAGGCGCCGACGGAGTGGGTAATGCCTCAGGAAATTGGCAT$	2707 2677
Query Sbjct	2708 2678	${\tt TGCGATTCCACATGGCTGGGCGACAGAGTCATCACCACCAGCACCCGCACCTGGGCCTTG} \\ \dots \\$	2767 2737
Query Sbjct	2768 2738	$\tt CCCACCTACAATAACCACCTCTACAAGCAAATCTCCAGTGCTTCAACGGGGGCCAGCAAC$	2827 2797
Query Sbjct	2828 2798	GACAACCACTACTTCGGCTACAGCACCCCCTGGGGGTATTTTGATTTCAACAGATTCCAC	2887 2857

```
Query 2888 TGCCACTTTTCACCACGTGACTGGCAGCGACTCATCAACAACAATTGGGGATTCCGGCCC Sbict 2858
                                                            2947
Query 2948 AAGAGACTCAACTTCAAACTCTTCAACATCCAAGTCAAGGAGGTCACGACGAATGATGGC
                                                           3007
Query 3008 GTCACAACCATCGCTAATAACCTTACCAGCACGGTTCAAGTCTTCTCGGACTCGGAGTAC Sbjct 2978 .....
                                                           3067
                                                           3037
3127
Sbjct 3038
                                                           3097
     3128 GTGTTCATGATTCCGCAATACGGCTACCTGACGCTCAACAATGGCAGCCAAGCCGTGGGA 3187
Query 3128
Sbict 3098
Query 3188
Sbict 3158
     3188
         CGTTCATCCTTTTACTGCCTGGAATATTTCCCTTCTCAGATGCTGAGAACGGGCAACAAC
                                                           3247
                                                           3217
Query 3248
Sbict 3218
         TTTACCTTCAGCTACACCTTTGAGGAAGTGCCTTTCCACAGCAGCTACGCGCACAGCCAG
Query 3308 AGCCTGGACCGGCTGATGAATCCTCTCATCGACCAATACCTGTATTACCTGAACAGAACT Sbict 3278
                                                            3367
Query
Sbict
     3368 CAAAATCAGTCCGGAAGTGCCCAAAACAAGGACTTGCTGTTTAGCCGTGGGTCTCCAGCT
                                                            3427
                                                            3397
     3338
Ouerv 3488 TCTAAAACAAAAACAGACAACAACAGCAATTTTACCTGGACTGGTGCTTCAAAATAT 3547
Query 3548 AACCTCAATGGGCGTGAATCCATCATCACCCTGGCACTGCTATGGCCTCACACAAAGAC 3607
Šbjet 3518 ...... 3577
     3608 GACGAAGACAAGTTCTTTCCCATGAGCGGTGTCATGATTTTTTGGAAAAGAGAGCGCCGGA 3667
Query 3608
Sbict 3578
Query 3668 GCTTCAAACACTGCATTGGACAATGTCATGATTACAGACGAAGAGGAAATTAAAGCCACT 3727
Sbjct 3638
Query 3728
Sbict 3698
         AACCCTGTGGCCACCGAAAGATTTGGGACCGTGGCAGTCAATTTCCAGAGCAGCAGCACA
     3788 GACCCTGCGACCGGAGATGTGCATGCTATGGGAGCATTACCTGGCATGGTGTGGCAAGAT
                                                           3847
Sbjct 3758 C................................
                                                            3817
Query 3848 AGAGACGTGTACCTGCAGGGTCCCATTTGGGCCAAAATTCCTCACACAGATGGACACTTT Sbict 3818 .C.
                                                            3907
                                                            3877
          3908 CACCCGTCTCTCTTATGGGCGGCTTTGGACTCAAGAACCCGCCTCCTCAGATCCTCATC
Ouery
                                                            3967
Query 3968 AAAAACACGCCTGTTCCTGCGAATCCTCCGGCGGAGTTTTCAGCTACAAAGTTTGCTTCA Sbjct 3938
                                                           4027
Query 4148 AACGTTGATTTTACTGTGGACAACAATGGACTTTATACTGAGCCTCGCCCCATTGGCACC 4207
Query 4208 CGTTACCTTACCCGTCCCTGTAATTACGTGTTAATCAATAAACCGGTTGATTCGTTTCA 4267
Sbjct 4178
Query 4268 GTTGAACTTTGGTCTCCTGTCC 4289
Sbjct 4238 ..... 4259
>qb|AF028704.1|AF028704 Adeno-associated virus 6, complete genome
Length=4683
Score = 6270 bits (3395), Expect = 0.0 Identities = 4054/4370 (92%), Gaps = 53/4370 (1%)
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Strand=Plus/Plus